

Interim DII COE NT Guidance for Achieving NT Parity

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Background

DII AF NT Special Interest Group

- **9/97 Dr. Perry & DISA Engineering Office Meeting to Clarify NT Guidance and Recommendations on I&RTS**
 - Embracing of Logo Specifications
 - Transition of DII COE Kernel to Industry
- **1/98 AF Conference Brief to DII COE Chief Engineer on DII COE v4.0 NT Parity Requirements**
 - Kernel, Infrastructure Services & Common Support Applications
- **NTAG Priority 1 Tasks Focused on DII COE NT Kernel**
 - Integration & Run-Time Specification (I&RTS)
 - » Development & Segmentation Guidance
 - Certification
 - Security

I&RTS - Development Guidance (Development of Well-Behaved

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- **Apps)**
 - **Recommendations**
 - **Adopt (by Reference) for DII COE v4.0 (Tasks 1.1, 3.1, 3.2, 3.3)**
 - » **Designed for Windows NT Logo Handbook**
 - » **Platform Software Development Kit**
 - » **Windows Interface Guidelines for Software Design**
 - **Update Documentation (I&RTS, Programmers Reference Guide, Consolidated Installation Guide, etc.) (Tasks 4.1 - 4.6)**
 - **Next Focus Area**
 - **Evaluate ISV Designed for BackOffice Logo (Task 3.6)**
 - » **Address Middle Tier (Application Server Services) of DII COE Architecture (Tasks 5.1 - 5.10)**
 - **DoD Participation in Logo Specification Refinement and Evolution (Task 3.6)**

I&RTS - Segmentation Guidance (How to Segment)

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- **Recommendation**

- **Current Segmentation Guidance for DII COE v3.0-3.3**
 - » **Include Creation of Segment Descriptor Files (SDF)**
 - » **Consider Waivers for Programs Transitioning between DII COE v3.3 and v4.0**
 - » **Follow Logo Program where Possible**
- **InstallShield for DII COE NT v4.0 (Tasks 2.1, 2.2, 3.4)**
 - » **DoD Templates to Preserve DII COE Secure NT I&C**
 - » **Vendor/Government Coalition Building DoD Templates**
- **Support Current & Future Installer Environments until NT v5.0**
- **Update Documentation (I&RTS, How to Segment Guide, Style Guide, API Reference Guide, etc.) (Tasks 4.1 - 4.6)**

- **Next Focus Area**

- **Evaluate Impacts of NT v5.0 (Tasks 6.1 - 6.6)**

I&RTS - Compliance Guidance

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- **Recommendation**

- **Self Assessment (e.g., Checklist Assessment) ***
 - » **Developers encouraged to Use VeriTest Logo Compliance Freeware (Analyze.exe)**
- **Integration Testing (e.g., CFI and DCTF Testing) * (Task 1.4)**
- **Update Documentation (I&RTS Checklist, etc.) (Tasks 4.1 - 4.6)**

- **Option**

- **Logo Certification (Task 1.4)**
 - » **DISA (CFI, DCTF) Certification**
 - » **Out-Source Certification (e.g., Veritest)**
 - » **Either/Both**

- **Next Focus Area**

- **Map Logo Specification Requirements to DII COE Compliance Levels (Task 3.5)**

Security

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- **Recommendations**
 - **Adoption of Secure NT I&C Guide (Task 4.4)**
 - » **Address Security Issues Raised by DODIIS Security Assessment**
 - **Utilize Windows NT Security Utilities Infrastructure Services Component (SECUTL) (Task 1.2)**
- **Next Focus Area**
 - **Automate Security I & C (Task 1.3)**
 - **Review of NT Security Utilities (Task 6.1)**

Conclusion

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- **Recommendations are an Essential First Step to Achieve NT Parity for Kernel Level Services**
- **Achieves Goal to Transition Kernel to Industry**
- **Promotes GOTS and COTS Interoperability While Preserving DoD Security Requirements**
- **Future Efforts to Focus on Achieving NT Parity**
 - **Middle Tier (Application Server Services) of DII COE Architecture**
 - » **Infrastructure Services**
 - » **Common Support Applications**
 - **Windows NT v5.0 Impacts**

***DII COE April 98 NTAG
DII COE & NT ... Interim Guidance
Questions ?***

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